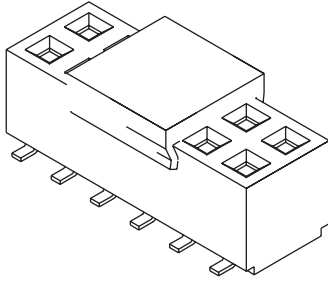


## 2.00mm (.079") Pitch Milli-Grid™ Receptacle

**87381**  
Dual Row, SMT  
Top Entry



### Features and Benefits

- Size 6 to 24, 28 to 50 circuits
- Other plating and void pin options available
- Cap version for robotic delivery
- Contact Molex for peg version

### Reference Information

Product Specification: PS-87380  
Packaging: Tube (Contact Molex for tape and reel packaging)  
UL File No.: E29179  
CSA File No.: LR19980A  
Mates With: 0.50mm (.020") square pin headers  
Designed In: Millimeters

### Electrical

Current: 1.9A max.  
Contact Resistance: 15 milliohms max.  
Dielectric Withstanding Voltage: 1000V AC/1min.  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 180g max.  
Contact Retention to Housing: 5.38N (1.21 lb) min.  
Durability: 25 cycles

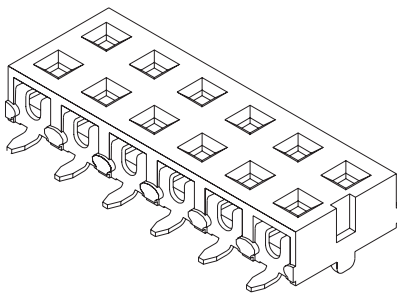
### Physical

Housing: Black high-temp thermoplastic  
Contact: Copper Alloy  
Plating: See Table  
Operating Temperature: -55 to +105°C

Circuits	Order No.		Lead-free	Circuits	Order No.		Lead-free
	0.38mm (15μm) Gold	0.76mm (30μm) Gold			0.38mm (15μm) Gold	0.76mm (30μm) Gold	
6	<a href="#">87381-0664</a>	<a href="#">87381-0663</a>	Yes	30	<a href="#">87381-3064</a>	<a href="#">87381-3063</a>	Yes
8	<a href="#">87381-0864</a>	<a href="#">87381-0863</a>		32	<a href="#">87381-3264</a>	<a href="#">87381-3263</a>	
10	<a href="#">87381-1064</a>	<a href="#">87381-1063</a>		34	<a href="#">87381-3464</a>	<a href="#">87381-3463</a>	
12	<a href="#">87381-1264</a>	<a href="#">87381-1263</a>		36	<a href="#">87381-3664</a>	<a href="#">87381-3663</a>	
14	<a href="#">87381-1464</a>	<a href="#">87381-1463</a>		38	<a href="#">87381-3864</a>	<a href="#">87381-3863</a>	
16	<a href="#">87381-1664</a>	<a href="#">87381-1663</a>		40	<a href="#">87381-4064</a>	<a href="#">87381-4063</a>	
18	<a href="#">87381-1864</a>	<a href="#">87381-1863</a>		42	<a href="#">87381-4264</a>	<a href="#">87381-4263</a>	
20	<a href="#">87381-2064</a>	<a href="#">87381-2063</a>		44	<a href="#">87381-4464</a>	<a href="#">87381-4463</a>	
22	<a href="#">87381-2264</a>	<a href="#">87381-2263</a>		46	<a href="#">87381-4664</a>	<a href="#">87381-4663</a>	
24	<a href="#">87381-2464</a>	<a href="#">87381-2463</a>		48	<a href="#">87381-4864</a>	<a href="#">87381-4863</a>	
28	<a href="#">87381-2864</a>	<a href="#">87381-2863</a>		50	<a href="#">87381-5064</a>	<a href="#">87381-5063</a>	

## 2.00mm (.079") Pitch Milli-Grid™ Receptacle

**87340**  
Top Entry  
SMT (VLPR2)



### Features and Benefits

- Sizes 4 to 20 circuits
- Locating peg version standard
- Very low profile height 2.15mm
- End-to-end stackable
- Optional without peg version
- Contact Molex for pick-and-place cap or embossed tape

### Reference Information

Product Specification: PS-87340  
Packaging: Tube  
UL File No.: E29179  
CSA File No.: LR19980  
Mates With: 0.50mm square pin headers  
Designed In: Millimeters

### Electrical

Voltage: 125V  
Current: 1.0A  
Contact Resistance: 15 milliohms max.  
Dielectric Withstanding Voltage: 1000V  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 180g max.  
Contact Retention to Housing: 0.32kg min.  
Normal Force: 50g min.

### Physical

Housing: Black LCP, UL 94V-0  
Contact: Phosphor Bronze  
Plating: See Table  
Operating Temperature: -55 to +105°C

Circuits	Order No.		Lead-free
	15μm Select Gold	30μm Select Gold	
4	<a href="#">87340-0424</a>	<a href="#">87340-0423</a>	Yes
6	<a href="#">87340-0624</a>	<a href="#">87340-0623</a>	
8	<a href="#">87340-0824</a>	<a href="#">87340-0823</a>	
10	<a href="#">87340-1024</a>	<a href="#">87340-1023</a>	
12	<a href="#">87340-1224</a>	<a href="#">87340-1223</a>	
14	<a href="#">87340-1424</a>	<a href="#">87340-1423</a>	
16	<a href="#">87340-1624</a>	<a href="#">87340-1623</a>	
18	<a href="#">87340-1824</a>	<a href="#">87340-1823</a>	
20	<a href="#">87340-2024</a>	<a href="#">87340-2023</a>	